

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

M-046557 (Drilling Bond #)

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☐GAS
WELL ☒

OTHER

SINGLE
ZONE ☒MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Ambra Oil & Gas Company

3. ADDRESS OF OPERATOR

47 W. 200 S., Suite 510 Salt Lake City, UT 84101

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

660' FSL 1980' FWL, SE $\frac{1}{4}$ SW $\frac{1}{4}$

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

20 miles northwest from Mack, Colorado

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT. 660'

(Also to nearest drlg. unit line, if any)

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT. 9250'

16. NO. OF ACRES IN LEASE

5787

19. PROPOSED DEPTH

1580'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

4887' GL

22. APPROX. DATE WORK WILL START*

July 1, 1983

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11"	8-5/8"	24	160'	35 sx (cement to surface)
6-3/4"	4 1/2"	10 1/2	1580'	135 sx

Well will be drilled to test the Morrison Salt Wash Formation.
All shows encountered will be tested.

Blowout equipment to be used: 8" 900 series double gate shaffer
hydraulic type LWS

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 6-15-83

BY: [Signature]

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

Linda Conde

TITLE

Production Manager

DATE

June 8, 1983

(This space for Federal or State office use)

PERMIT NO.

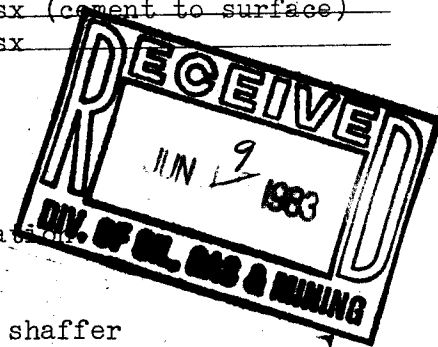
APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:



BUREAU OF LAND MANAGEMENT
Oil and Gas Operations
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104

RE: HARLEY DOME 19-1
NTL-6 Supplementary Information for
APD, 9-331-C

Application for Ambra Oil & Gas Company, a Utah corporation, to drill in the SE $\frac{1}{4}$ SW $\frac{1}{4}$ of Section 19, T18S R25E, Grand County, Utah is set forth on Form 9-331-C. The purpose of this letter is to present the additional information as required by the NTL-6 regulation.

1. Geologic Name of Surface Formation: Cretaceous Mancos Shale

2. Geological Formation Tops:

&

3. Cretaceous	Mancos Shale	Surface
	Dakota	969'
	Cedar Mountain	1103'
Jurassic	Morrison Brushy Basin	1130'
	Morrison Salt Wash	1478'
	Total Depth	1580'

4. Casing Program: See Form 9-331-C.

5. Pressure Control Equipment: BOP and manifold will be tested to 1000 psi prior to drilling out shoe joint. Pipe rams will be operational and tested daily. Blind rams will be operational and tested on trips. BOP and manifold will be visually inspected daily. All tests will be recorded on daily tour sheets. See BOP schematic.

6. Drilling and Circulating Medium: Operator plans to drill with air and air mist as far as possible. A water-based drilling fluid will be used in the event formation water is encountered, to control or kill oil or gas flows, and when running long string (4 $\frac{1}{2}$ ", 10 $\frac{1}{2}$ lb casing). It will consist of an invert polymer-type biodegradable mud at 8.2 lb per gallon. Weight and mud to 10 lb per gallon will be provided if required. Potassium chloride (KCl) D.G. chemical will be added as required.

7. Auxiliary Equipment: (1) Kelly Cock - Demco; (2) Floats at the bit sub and string; (3) No monitoring equipment on mud system; and (4) Sub on floor with a full-opening valve. The fill, kill, and choke lines will be attached to the wellhead below the BOP. The following auxiliary equipment will also be used:

- a. 6000# shut-off valve on stand pipe.
- b. One float at bit and two string floats.
- c. Sub 3 $\frac{1}{2}$ " IF to 2" valve for controlling blowouts when making round trips.

8. Testing, Logging, & Coring: Schlumberger or Gearhart. No DST's programmed. Electric logs will consist of dual induction laterlog (DIL), compensated neutron and formation density (CNFD), caliber log (CL), and sonic BHC. If casing is set, a cement bond log (CBL) and gamma ray log (GR) will be run. Drilling samples will be taken every 10 feet starting 100 feet above the Dakota formation. Microscope analysis will be done by a geologist.

9. The maximum bottom hole pressure expected is 1500 psi. Flexibility provisions are the BOP and high-pressure fittings and couplings. No hydrogen sulfide problems are expected.

10. The approximate starting date is July 1, 1983, and drilling should take from five to ten days.

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Ambra Oil & Gas Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

Date

June 8, 1983

Linda Conde
LINDA CONDE

Production Manager

June 8, 1983

BUREAU OF LAND MANAGEMENT
Oil and Gas Operations
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104

RE: HARLEY DOME 19-1
Multipoint Requirements

1. Existing Roads

a. Proposed well site is staked.

b. Route and distance from nearest town. Well site is located approximately 20 miles northwest of Mack, Colorado. Exit at the Ranch Exit near mile post 219 on I-70 between Cisco, Utah and Mack, Colorado. Turn onto the frontage road north of I-70 and proceed along that road (north) for approximately 7 miles. This road parallels Westwater Creek. Turn right at the intersection marked with yellow flagging and then proceed about .4 mile. Turn left at the first intersection encountered. Go along this road for approximately .5 mile until the access road is encountered on the right. The length of the new access road is approximately 700 feet to the west side of the well pad. This new access road will be constructed according to Class III standards.

c. Access road is dotted in red. The existing roads are solid in blue.

d. Does not apply.

e. If a development well, list all the existing roads within a one-mile radius of well site. This radius includes the road paralleling Westwater Creek.

f. Plans for improvement and/or maintenance of existing roads. The operator will maintain existing roads according to Class III standards. Improvements to off-lease existing roads will be governed by right-of-way grant #U-52442.

2. Planned Access Road

1. Width: 16' travel surface, 24' disturbed width.

2. Maximum grades: $\frac{1}{2}$ to 1 degree. No waterbars are needed.

3. Turn-out: No turn-outs are needed.

4. Drainage design: small borrow pit on one side for drainage. Should production be established, the road will be upgraded to include ditch and crown.

5. No culverts are needed in this area. No major cuts or fills are required.

6. Surfacing material: none needed. The road will be lightly scraped on the surface.

7. Necessary gates, cattleguards, or fence cuts: none needed.

8. New or constructed roads. Operator will make use of existing roads in the area whenever possible. The new access road will be constructed approximately 700 feet in length from an existing road to the west side of the well pad and according to Class III standards. The width will be 16' travel surface, 24' disturbed width, scraped only on the surface. The top 2 inches of topsoil will be windrowed on the uphill side of the access road. Surface disturbance will be kept to a minimum. The surface is generally flat, requiring no major cuts or fills.

3. Location of Existing Wells

a. See USGS topographic map.

b. Producing wells in a one-mile radius:

1. Sec. 30 ~~Harley~~ Belco Govt #1; gas

c. Producing wells in a two-mile radius:

1. Sec. 29 Texota 1-B; gas *PA*

2. Sec. 30 Lansdale Fed #II; gas *PA*

d. No water, disposal, or injection wells are in a one-mile radius.

4. Location of Existing and/or Proposed Facilities

a. 1. Tank batteries. If oil production is established, new tank batteries will be installed in the southwest corner of the proposed location and will be 125 feet from the wellhead.

2. Production facilities. If gas production is established, new production facilities will be installed in the southwest corner of the proposed location. All the above-ground production equipment will be painted using one of the approved colors provided by BLM personnel in their concurrence letter.

3. Oil gathering lines. None - only to tank at location if oil production is established.

4. Gas gathering lines. If the well qualifies for hook-up, Northwest Pipeline will run a lateral from their Grand Valley Line located in T18S R25E to the well.

5. Injection lines. None.

6. Disposal lines. None.

b. Any new facilities required in the event of production will be located in the southwest corner of the proposed location. See the enclosed sketch of the area showing planned production facilities. All open and exposed pits will be fenced to protect livestock and wildlife, and an earthen fire bunker will be built around any tanks to hold 110% of the tank volume. Gas lines will be laid on the surface to the Grand Valley Line located in T18S R25E operated by Northwest Pipeline. A time schedule for this will be within a 60-day period upon completion of the well.

c. The reserve pit and any portion of the location and access road not needed for production or production facilities will be reclaimed as described in the rehabilitation section. All stockpiled/windrowed topsoil will be used in reclaiming unused areas.

5. Location and Type of Water Supply

a. Westwater Creek, approximately 1.4 miles west of location. We have applied for a state water permit.

b. Method of transporting water. Water tank truck.

c. No water well is planned or needed.

6. Source of Construction Materials

The location will be on Federal land so if any sand or gravel is needed, it will be brought into the area from a private source in Thompson, Utah, 21 miles west. Until production is established, the road will be a surface-scraped dirt road from the existing road to the proposed well location. No construction materials are planned or needed. This is flat desert land on a Mancos Shale formation. Bladed roads that are watered and packed down are the best roads for this area.

7. Method for Handling Waste Disposal

Cutting and drilling fluids will be discharged via air into the reserve pit. A portable chemical toilet will be on location for sewage. Garbage and waste materials will be placed in a trash cage and hauled out when work is completed. Produced fluids (oil and water) will go into tanks and pits, respectively. The blowey line will be 125 feet long, centered, and angled down into the reserve pit. It will be anchored. The blowey line will be misted while drilling with air. The area will be free of trash and debris when the rig is moved out. If any waste material is to be burned, a burning permit will be obtained from the State Land Forestry and Fire Control office in Moab, Utah prior to burning.

8. Auxiliary Facilities

None other than a trailer and dog house. No camp or air strip is required.

9. Well Site Layout

1. Cross section of 150' x 150' drilling pad with cuts and fills. The well location is relatively flat and requires minimum cuts and fills. The top 6" of soil material will be stockpiled on the north side of the location separate from trees and vegetation.

2. Mud tank, reserve pit, and trash cages. See well pad schematic. The reserve/blouey pit will be located on the east side of the location. The pit will be fenced on 3 sides prior to drilling, and the fourth side will be fenced when drilling is completed. The fence will be 36" high of woven wire plus one strand of barbed wire for support.

3. See drawing.

4. Pits are to be unlined.

10. Restoration Plans

1. Immediately upon completion of drilling, the location and surrounding area will be cleared of all debris resulting from the operation. All trash will be disposed of in the portable trash cage and will be hauled to a local town dumpsite. No trash will be left in the pits.

2. The operator or his contractor will notify the Grand Resource Area BLM Office in Moab, Utah (801-259-8193) four to eight hours prior to starting rehabilitation work that involves earthmoving equipment. The Grand Resource Area BLM Office in Moab will again be notified upon completion of restoration.

3. Prior to any dirtwork restoration of disturbed areas, the reserve/blouey pit will be dry and completely free of any trash or debris. Any such trash or debris will be removed from the pit and public lands.

4. All disturbed areas to be restored will be recontoured to blend with the surrounding area. The stockpiled topsoil will be evenly distributed over the rehabilitated area. All rehabilitated areas will be scarified on the contour to a depth of 8 inches.

5. The rehabilitated area will be seeded from October 15 to November 15 or any other time that the Grand Resource Area Office approves. BLM personnel will supply the appropriate seed mixture in their concurrence letter. The seed mixture will be broadcast only. Following broadcast seeding, the area will be harrowed or dragged to assure seed cover. The stockpiled vegetation will then be scattered evenly over the reclaimed area and walked down with a dozer. Any reclaimed access roads will be blocked to prevent use.

6. If the proposed well is completed as a producer, any unused areas will be reclaimed as previously described.

7. After the rig is moved.

8. If there is oil in the pit, we will either remove it or install overhead flagging.

9. Rehabilitation of the well site area will be completed within 60 days after abandonment with the exception of reseeding following BLM instructions (October 15 to November 15). In the event the well is completed as a dry hole, rehabilitation will take place within 60 days after release of the drilling rig. In the event the well is completed as a commercial producer of oil and/or gas, unused portions of the well pad will be rehabilitated within 60 days after completion. All restoration will be as per BLM instructions.

11. Other Information

1. The location is part of the Green River desert area. Vegetation consists of greasewood, sagebrush, rabbitbrush, and various grasses. Cattle and sheep graze the area in the fall and spring seasons.

2. The Grand Resource Area office in Moab, Utah (801-259-8193) will be contacted 48 hours prior to commencing any work on public lands.

3. The operator's dirtwork and drilling contractors will be furnished with an approved surface-use plan and BLM stipulations prior to any work.

4. An archaeological survey is not required as the area has been previously cleared.

5. If any subsurface cultural material is exposed during construction, work will stop immediately, and the Grand Resource Area Office will be notified. All persons in the area will be informed of possible prosecution if they disturb archaeological sites or remove artifacts.

12. Operator

Ambra Oil and Gas Company
American Plaza III
47 West 200 South, Suite 510
Salt Lake City, Utah 84101

Telephone: (801) 532-6640

Attention: Wesley Pettingill

13. Certification

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that the statements made in this plan are, to the best of my knowledge, true and correct; and that

Harley Dome 19-1
Page 6
Multipoint Requirements

the work associated with the operations proposed herein will be performed by Ambra Oil and Gas Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

Date June 8, 1983

Linda Conde
LINDA CONDE
Production Manager

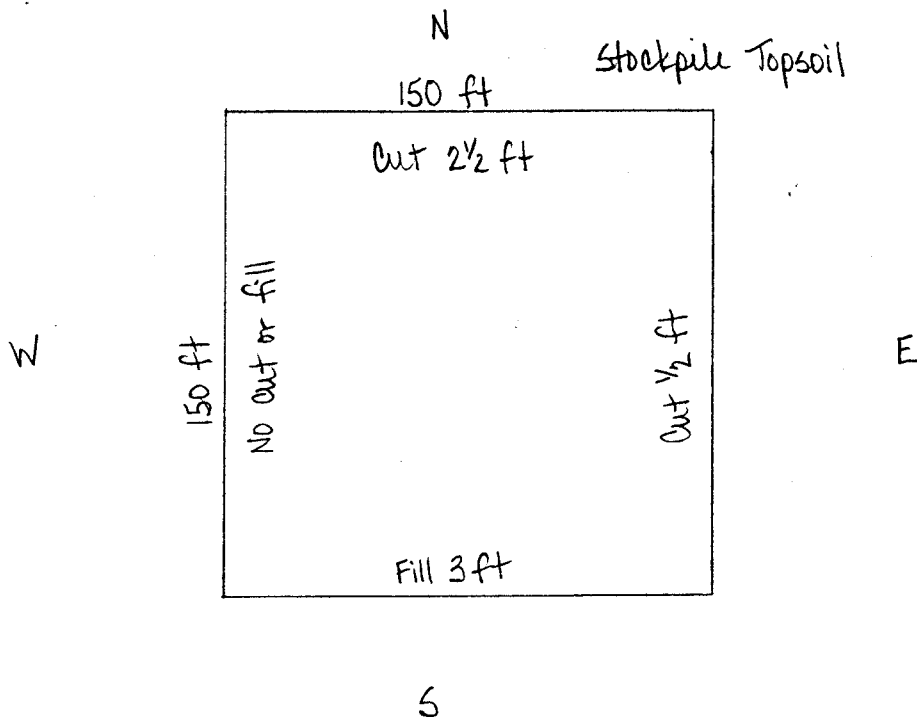
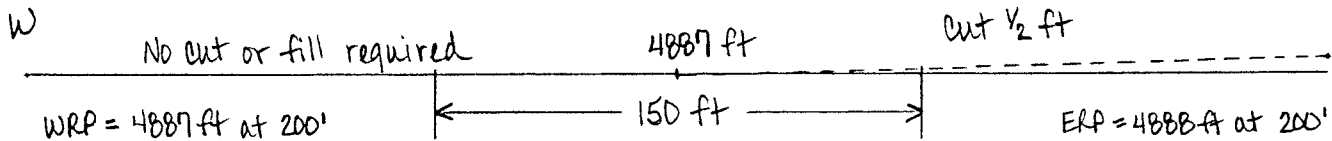
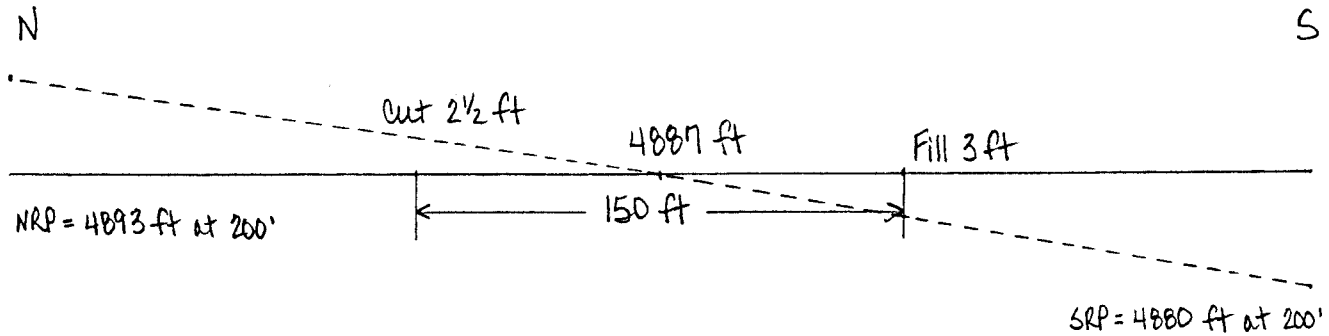
Cut & Fill Diagram

Harley Dome 19-1

Section 19, T18S R25E

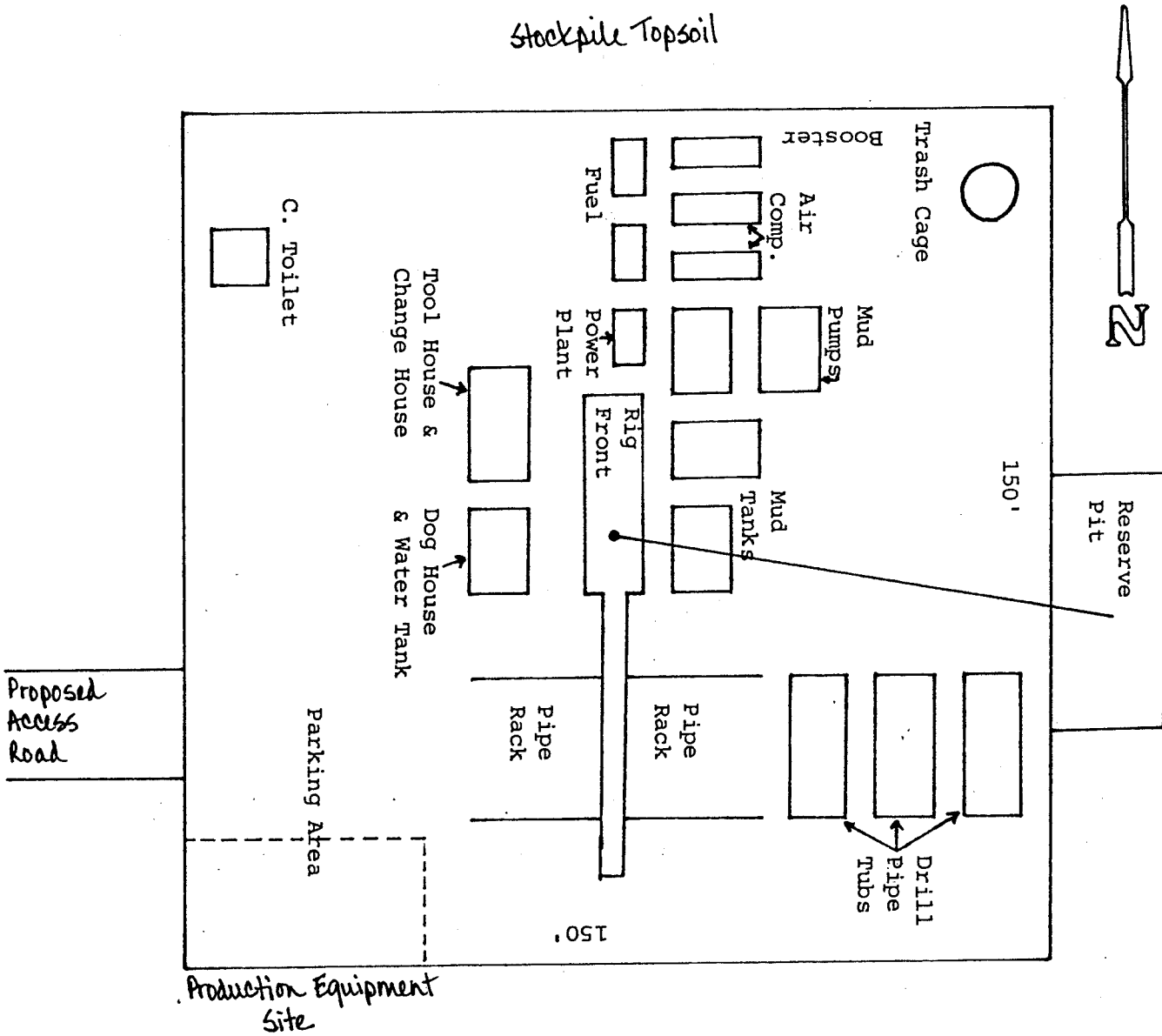
Horizontal Scale: 1" = 60'
Vertical Scale: 1" = 12'

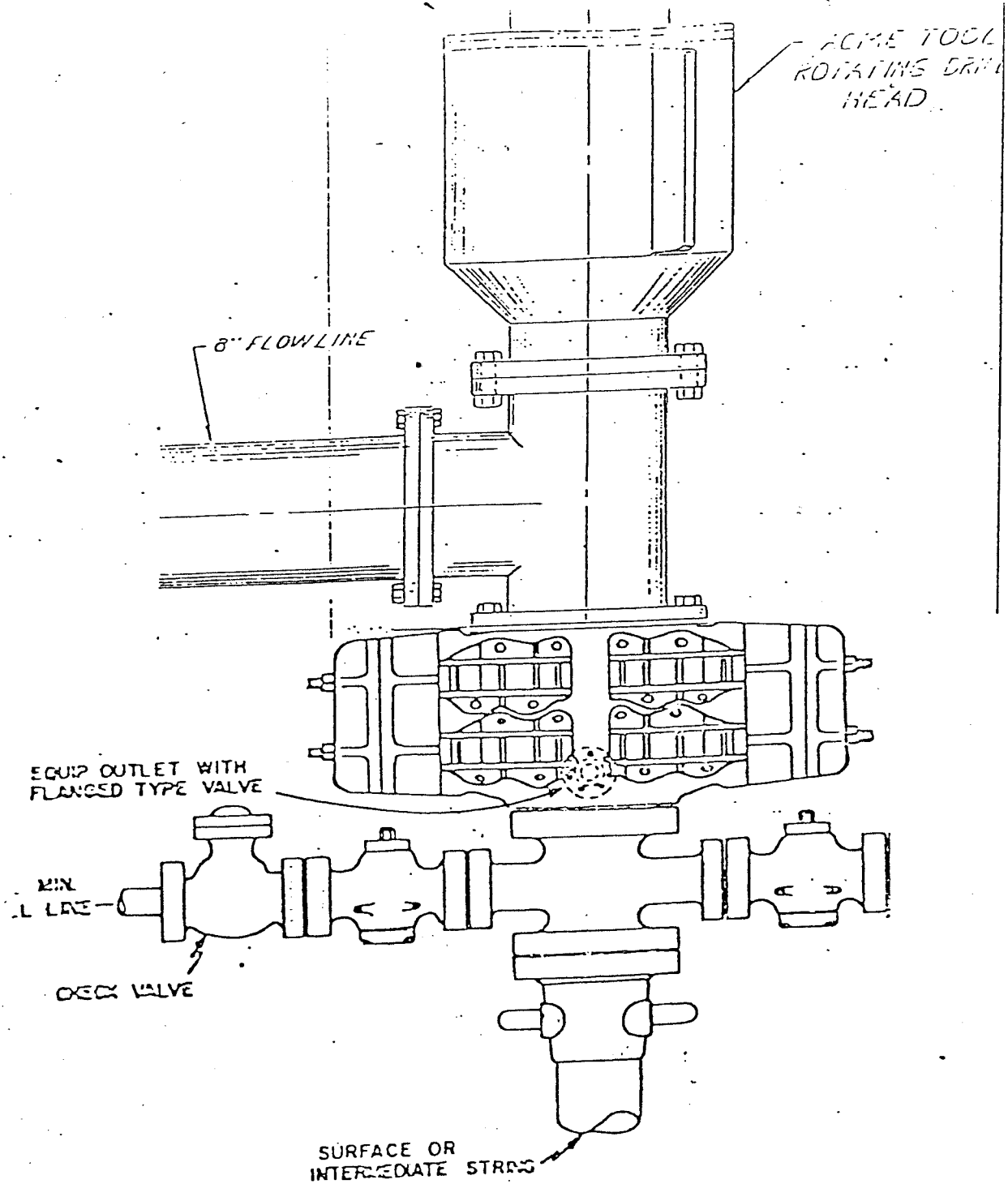
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WELL PAD SCHEMATIC

Harley Dome 19-1
Section 19, T18S R25E





PIT IS
10 X 10 X
4' DEEP

SCALE 1" = 40'

GAS SALES

12'30"

R. 24 E. R. 25 E.

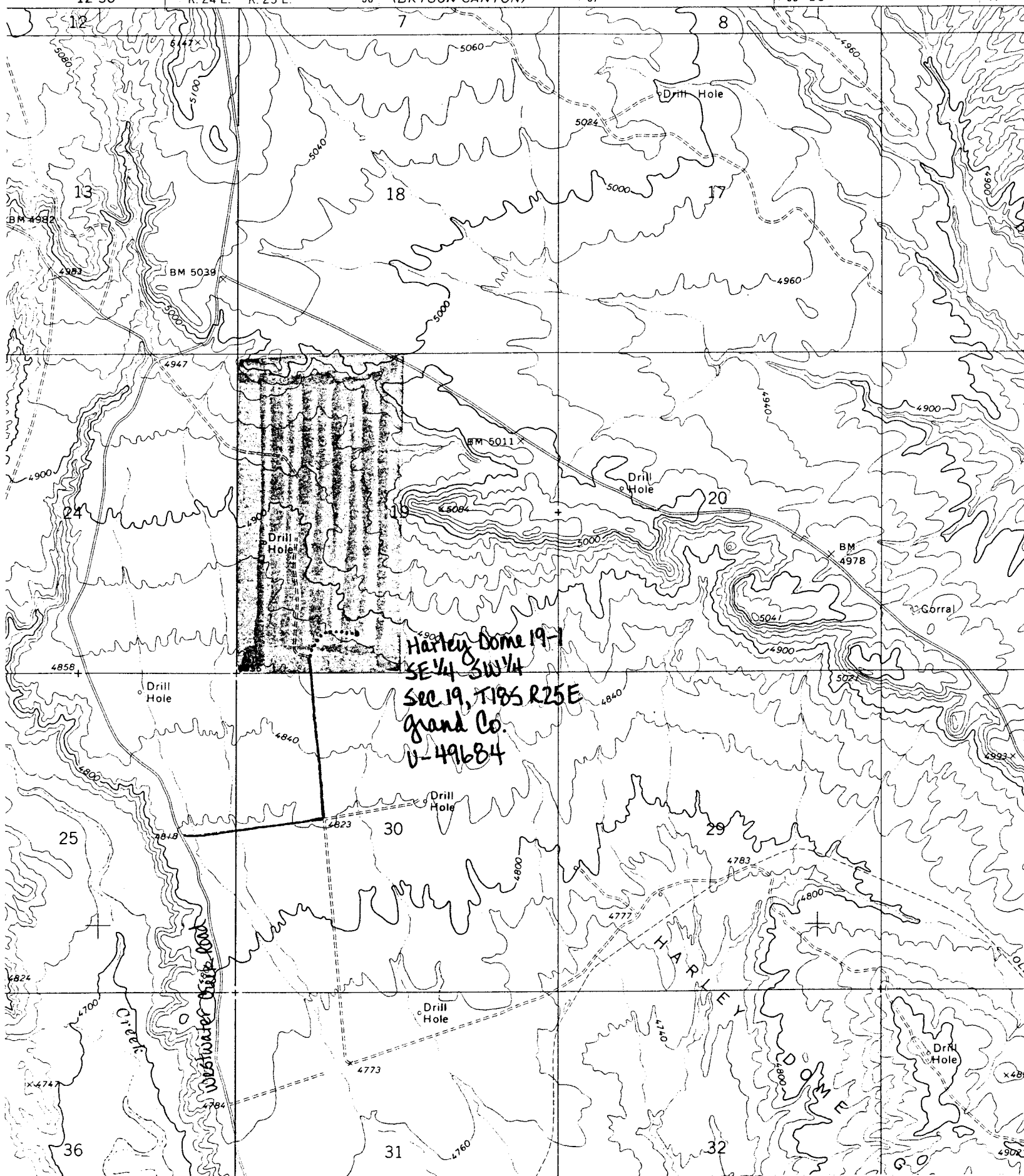
656

41621 SW
(BRYSON CANYON)

657

658 10'

659



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

M-046557 (Drilling Bond #)

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

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WELL ☐GAS
WELL ☒

OTHER

SINGLE
ZONE ☒MULTIPLE
ZONE ☐

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Ambra Oil & Gas Company

3. ADDRESS OF OPERATOR

47 W. 200 S., Suite 510 Salt Lake City, UT 84101

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At proposed prod. zone

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20 miles northwest from Mack, Colorado

15. DISTANCE FROM PROPOSED*

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(Also to nearest drlg. unit line, if any)

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TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

9250'

19. PROPOSED DEPTH

1580'

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21. ELEVATIONS (Show whether DF, RT, GR, etc.)

4887' GL

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July 1, 1983

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All shows encountered will be tested.

Blowout equipment to be used: 8" 900 series double gate shaffer
hydraulic type LWS

SALT LAKE CITY, UTAH

JUN 9 1983

OIL & GAS DIVISION
RECEIVED

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

Linda Conde

TITLE

Production Manager

DATE June 8, 1983

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

W. J. Martin

for

E. W. Guynn

TITLE District Oil & Gas Supervisor

DATE

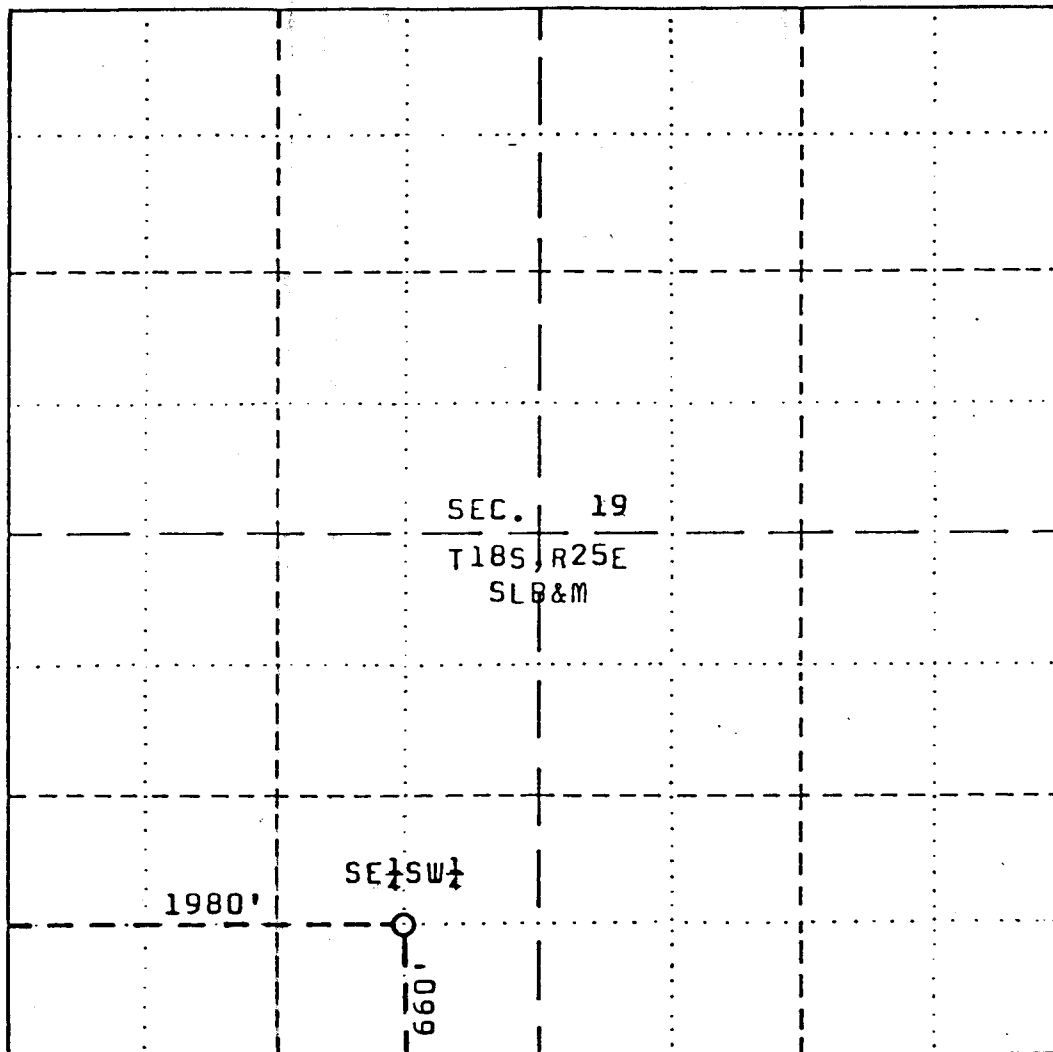
JUN 29 1983

CONDITIONS OF APPROVAL, IF ANY:

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED
TO OPERATOR'S COPYFLARING OR VENTING OF
GAS IS SUBJECT TO NPL 4-A
DATED 1/1/50

State 046



SCALE: 1" = 1000'

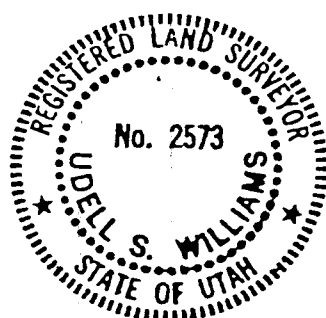
H.D. #19-1

Located North 660 feet from the South boundary and East 1980 feet from the West boundary of Section 19, T18S, R25E, SLB&M.

N RP 200' = 4893.3
S RP 200' = 4879.8
E RP 200' = 4887.9
W RP 200' = 4886.9

Elev. 4887

Grand County, Utah



SURVEYOR'S CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF

Udell S. Williams
UTAH R.L.S. NO. 2573



UDELL S. WILLIAMS
751 Rood Avenue
GRAND JUNCTION, COLORADO 81501

PLAT OF
PROPOSED LOCATION

H.D. #19-1
SE 1/4 SW 1/4 SECTION 19
T18S, R25E, SLB&M

SURVEYED BY: USW DATE: 5/24/83
DRAWN BY: USW DATE: 5/24/83

Ambra Oil & Gas Company _
Well No. 19-1
Section 19, T. 18 S., R. 25 E.
Grand County, Utah
Lease U-49684

Supplemental Stipulations

- 1) Adequate and sufficient electric/radioactive logs will be run to locate and identify anticipated coal beds in the Mancos and/or Dakota formations. Please also provide two copies of drilling logs. Casing and cementing programs will be adjusted to eliminate any potential influence of the well bore or productive hydrocarbon zones on the coal resource. Surface casing program may require adjustment for protection of fresh water aquifers.
- 2) This well must conform to State Spacing Order No. 120-16B.



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

SUGGESTED COLORS TO PAINT OIL & GAS PRODUCTION FACILITIES

Cisco Desert and Flats below the Bookcliffs:

Dynasty Green	(Sears)
Tumbleweed	(Pratt & Lambert)
Desert Tan	-----
Sage Gray	(Pratt & Lambert)

Bookcliffs Region:

Sage Gray	(Pratt & Lambert)
Sea Life	(Pratt & Lambert)
Dynasty Green	(Sears)

Similar hues other than the ones mentioned above must be approved by the Grand Resource Area Manager.

SEED MIXTURE

<u>Species</u>		<u>Rate</u> <u>Lbs/acre</u>
<u>Grasses</u>		
Oryzopsis hymenoides	Indian ricegrass	2
Hilaria jamesii	Curlygrass	2
<u>Forbs</u>		
Sphaeralcea coccinea	Scarlet Globemallow	.5
<u>Browse</u>		
Atriplex confertifolia	Shadscale	1
Ceretoides lanata	White Sage	<u>1</u>
		6.5

Broadcast seed will be applied at 2 times the above rate.
Seeding will be done between September 15 and December 30.

ADDITIONAL STIPULATIONS FOR PRODUCTION FACILITIES

Your Application for Permit to Drill also included a submittal for production facilities. These production facilities are approved for the lessee and his designated operator under Section 1 of the Oil and Gas Lease with the following conditions:

- (1) The oil and gas measurement facilities must be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy are to be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. Please provide this office with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports are to be submitted to the Salt Lake City District Oil and Gas Supervisor. Royalty payments will be made on all production volume as determined by the meter measurements or the tank measurements. All measurement facilities must conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.
- (2) Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried from the wellhead to the meter and 500 feet downstream of the meter run or any production facilities. Meter runs must be housed and/or fenced.
- (3) All disturbed areas not required for operations will be rehabilitated.
- (4) All produced liquids must be contained including the dehydrator vent/condensate line effluent. All production pits must be fenced.
- (5) The well activity, the well status and the date the well is placed on production must be reported on Lessee's Monthly Report of Operations, Form 9-329.
- (6) All off-lease storage, off-lease measurement, or commingling on lease or off-lease must have written approval.
- (7) All product lines entering and leaving hydrocarbon storage tanks must be locked/sealed.
- (8) You are reminded of the requirements for handling, storing, or disposing of water produced from oil and gas wells under NTL-2B.
- (9) All materials, trash, junk, debris, etc. not required for production must be removed from the well site and production facility site at the completion of these operations.
- (10) A copy of the Gas Sales Contract will be provided to this office and the Royalty Accounting Department as directed.
- (11) Construction and maintenance for surface use approved under this plan should be in accordance with the surface use standards as set forth in the BLM/GS Oil and Gas Brochure entitled, "Surface Operating Standards for Oil and Gas Exploration and Development." This includes, but is not limited to, such items as road construction and maintenance, handling of top soil and rehabilitation.
- (12) "Sundry Notice and Reports on Wells" (form 9-331) will be filed for all changes of plans and other operations in accordance with 30 CFR 221.58. Emergency approval may be obtained verbally, but such approval does not waive the written report requirement. Any additional construction, reconstruction, or alternations of facilities, including roads, gathering lines, batteries, measurement facilities, etc., will require the filing of a suitable plan and prior approval by the survey.

OPERATOR

Amtra Oil & Gas Co.

DATE

6-11-83

WELL NAME

Harley Dome 19-1

SEC

SESW 19

T

18S

R

25E

COUNTY

Grand

43-019-31069

API NUMBER

Fed.
TYPE OF LEASE

POSTING CHECK OFF:

☐

INDEX

☐

MAP

☐

HL

☐

NID

☐☐

PI

PROCESSING COMMENTS:

Too close to Harley Gov't #1. Have applied for State Water Permit.

CHIEF PETROLEUM ENGINEER REVIEW:

✓ Approve contingent upon not completing in same interval (Dakota)
as Belco Harley Gov't #1.

APPROVAL LETTER:

SPACING:

☐

A-3

UNIT

☐

c-3-a

CAUSE NO. & DATE

☒

c-3-b

APPROVAL CONDITIONAL

☐

c-3-c

SPECIAL LANGUAGE:

STIPULATIONS:1x Water

27 WELL NOT TO BE PRODUCED UNTIL ISSUANCE OF A
BOARD ORDER TO EXTEND THE SPACED AREA OF
CAUSE NO. 102-163 TO INCLUDE SECTION 19; OR UNTIL
THE BELCO HARLEY GOV'T #1 IS PROPERLY PLUGGED.

☒ RECONCILE WELL NAME AND LOCATION ON APD AGAINST SAME DATA ON PLAT MAP.

☒ AUTHENTICATE LEASE AND OPERATOR INFORMATION

☒ VERIFY ADEQUATE AND PROPER BONDING

☒ AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

☐ APPLY SPACING CONSIDERATION

☐ ORDER _____

☐ UNIT _____

☒ c-3-b (gas) T18 25E 5-30

☐ c-3-c

☒ CHECK DISTANCE TO NEAREST WELL.

☒ CHECK OUTSTANDING OR OVERDUE REPORTS FOR OPERATOR'S OTHER WELLS.

☒ IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER

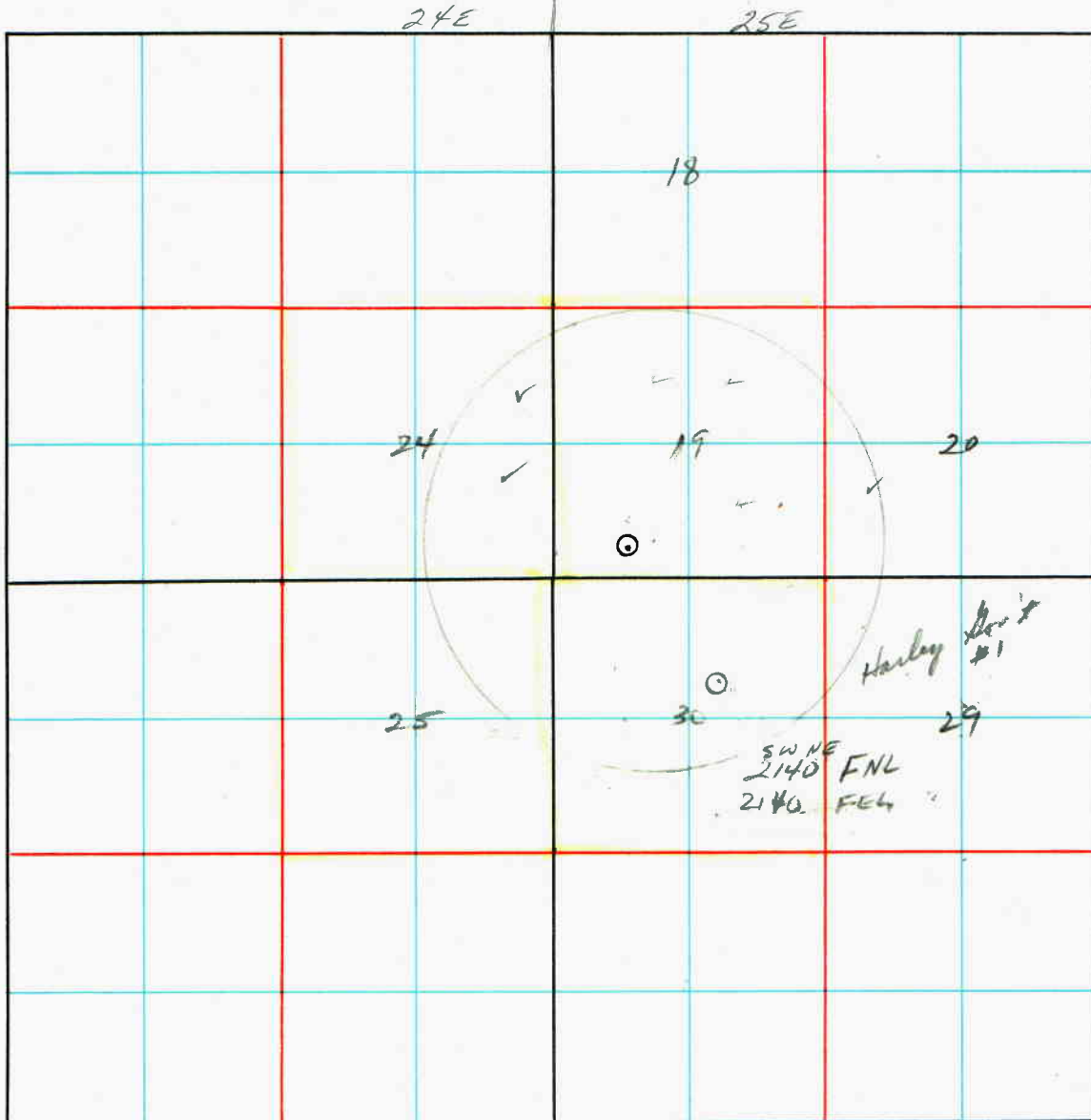
☒ IF IN OIL SHALE DESIGNATED AREA, SPECIAL APPROVAL LANGUAGE.

Drilling may not commence until a copy of the Utah Division of Water Rights (201 533-6071) approval for use or purchase of drilling water is submitted to this office.

This well may not be produced until Ambra successfully petitions the BOARD to extend the spacing order of Cause 102-1613 to include section 19; or until the Belco Harley Horit #1 is properly plugged.

Township No. _____

Range No. _____



Meridian Line,

Base Line,

Standard Line,

Township Lines,

Section Line,

Meander Lines,

Office Work,

Ranch Lines Re-Survey,

June 15, 1983

Ambra Oil & Gas Company
47 West 200 South, Suite 510
Salt Lake City, Utah 84101

RE: Well No. Harley Dome 19-1
SESW Sec. 19, T.18S, R.25E
660 FSL, 1980 FWL
Grand County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to gas well is hereby granted in accordance with Rule C-3(b), General Rules and Regulations and Rules of Practice and Procedure. Drilling may not commence until a copy of the Utah Division of Water Rights (801-533-6071) approval for use or purchase of drilling water is submitted to this office. This well may not be produced until Ambra Oil & Gas successfully petitions the Board to extend the spacing order of Cause No. 102-16B to include Section 19; or until the Belco Harley Gov't #1 is properly plugged.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:


RONALD J. FIRTH - Chief Petroleum Engineer
Office: 533-5771
Home: 571-6068

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-019-31069.

Sincerely,


Norman C. Stout
Administrative Assistant

NCS/as
cc: Oil & Gas Operations
Encl.

ORAL APPROVAL TO PLUG AND ABANDON WELL

Operator AMBRA Representative WEST PETTINGALE
 Well No. H3-19-1 Location 1/4 1/4 Section 19 Township 18S Range 25E
 Lease No. _____ Field _____ State GRAND, UTAH

Unit Name and Required Depth _____ Base of fresh water sands _____

T.D. 1668' Size hole and Fell per sack _____ Mud Weight _____ and Top 10-5 #/gal. _____

Casing Size	Set At	Top of Cement	To Be Pulled	Plugging Requirements	
				From	To

				Sacks Cement	
<u>8 5/8"</u>	<u>176'</u>	<u>CTS</u>		<u>10 SX @ Surface + Marker</u>	

Formation	Top	Base	Shows
-----------	-----	------	-------

<u>MANCOS SURFACE fm.</u>			
---------------------------	--	--	--

<u>DAKOTA</u>	<u>910'</u>		<u>200'</u>
---------------	-------------	--	-------------

<u>MORRISON</u>	<u>1150'</u>		<u>1100'</u>
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REMARKS

OST's, lost circulation zones, water zones, etc., clean pad, fence pit
rehab. as per A.P.D.

Approved by [Signature] Date 7-25-83 Time 10:18 a.m.

cc: oper. w/cond. of approval
BLH HOAB w/cond. of approval

CEA
 CONTROL BOOK
 WELL FILE

NOTICE OF SPUD

Company: Amira
Caller: Linda Conde
Phone: # 532 - 6640

Well Number: Harley Dome 19-1

Location: SE 1/4 SW 1/4 Sec 19- 18S-25E

County: Grand State: UT

Lease Number: U-49684

Lease Expiration Date: _____

Unit Name (If Applicable): _____

Date & Time Spudded: 7-22-83 7:30 P.M.

Dry Hole Spudded Rotary: _____

Details of Spud (Hole, Casing, Cement, etc.) 11" Hole

Rotary Rig Name & Number: San Stanner #9

Approximate Date Rotary Moves In: 7-21-83

FOLLOW WITH SUNDRY NOTICE

Call Received By: Cindy Barts

Date: 7-25-83 10:40 A.M.

cc: Well file
UT St. Oil & Gas
BLM, Vernal
TAX

water rights verified
by Sharma at Div.
of W.W.

7-27

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ gas ☐ other ☒ dry

2. NAME OF OPERATOR

Ambra Oil & Gas Company

3. ADDRESS OF OPERATOR

84101

47 W. 200 S., Suite 510 Salt Lake City, UT

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

660' FSL 1980' FWL, SE $\frac{1}{4}$ SW $\frac{1}{4}$

AT SURFACE:

AT TOP PROD. INTERVAL:

AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF ☐

☐

FRACTURE TREAT ☐

☐

SHOOT OR ACIDIZE ☐

☐

REPAIR WELL ☐

☐

PULL OR ALTER CASING ☐

☐

MULTIPLE COMPLETE ☐

☐

CHANGE ZONES ☐

☐

ABANDON* ☐

☒

(other)

5. LEASE

U-49684

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

NA

7. UNIT AGREEMENT NAME

NA

8. FARM OR LEASE NAME

Harley Dome

9. WELL NO.

19-1

10. FIELD OR WILDCAT NAME

Harley Dome

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 19, T18S R25E

12. COUNTY OR PARISH

Grand

13. STATE

Utah

14. API NO.

43-019-31069

15. ELEVATIONS (SHOW DF, KDB, AND WD)

4887' GR

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Well was determined to be non-commercial on July 25, 1983 when a total depth of 1668' was reached. Verbal approval to plug and abandon on that date was received from Asad Raffoul.

Plugs were as follows: ☒ #1 1100'-900' with 53 sx cement
☒ #2 200'-100' with 27 sx cement

A regulation plug and abandon marker will be set with 10 sx cement. A sundry notice will be submitted when the well is ready for final inspection.

Verbal approval is attached.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED

Juda Conde

TITLE Production Mgr.

DATE

August 30, 1983

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: 9/6/83
BY: *[Signature]*

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See instructions on
reverse side)Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☒ Other ☐
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other ☐

2. NAME OF OPERATOR

Ambra Oil & Gas Company

3. ADDRESS OF OPERATOR

47 W. 200 S., Suite 510 Salt Lake City, UT 84101

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface

660' FSL 1980' FWL, SE $\frac{1}{4}$ SW $\frac{1}{4}$

At top prod. interval reported below

At total depth

14. PERMIT NO.

43-019-31069

DATE ISSUED

6/29/83

15. DATE SPUDDED

7/22/83

16. DATE T.D. REACHED

7/25/83

17. DATE COMPL. (Ready to prod.)

--

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*

4887' GR

19. ELEV. CASINGHEAD

--

20. TOTAL DEPTH, MD & TVD

1668'

21. PLUG, BACK T.D., MD & TVD

--

22. IF MULTIPLE COMPL.,
HOW MANY*

--

23. INTERVALS
DRILLED BY

ROTARY TOOLS

0-1668'

CABLE TOOLS

--

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

none

25. WAS DIRECTIONAL
SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

Dual Induction, Compensated Density, Computer Analyzed

27. WAS WELL CORED

No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24#	176'	11"	75 sx Class G	--

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
NA				

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
NA		

31. PERFORATION RECORD (Interval, size and number)

NA

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
NA	

33.*

PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)					WELL STATUS (Producing or shut-in)	
Plugged & abandoned 7/25/83								
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO	
			→					
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)		
		→						

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

Electric Logs

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

Jinda Conde

TITLE

Production Manager

DATE

August 30, 1983

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s); (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES			38. GEOLOGIC MARKERS			
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Mancos Shale	Surface					
Dakota	910'					
Morrison	1150'					
TD	1668'					

D+A
7.25.83

UTAH STATE
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL AND GAS

INSPECTION RECORD - ABANDONMENT

Date 3-22-84
Location (T-R-S) 185 25E 19 SESW
Field Area Greater Cisco
County Grand
State UT
Inspector Moore

WELL NAME Harley Dome 19-1
Operator Ambra Oil & Gas
Contractor & Rig _____
Lease Number U-49684
Type of Well* _____
INC Issued _____

1. Plugs spotted across perforations if casing set?
2. Plugs spotted at casing stubs?
3. Open hole plugs spotted as specified?
4. Retainers, bridge plugs, or packers set as specified?
5. Cement quantities as specified?
6. Method of verifying and testing plugs as specified?
7. Pipe withdrawal rate satisfactory after spotting plug?
8. All annular spaces plugged to surface?

YES	NO

Plug tested: ☐ No ☐ Pressured ☐ Tagged
If tested, which plug(s) _____

Cement and mechanical plug placement data attach service company report if available): _____

Cement plug spotting method: _____

Operation(s) witnessed: _____

Additional Remarks: Recent Seismication, restoration, and marking

* Dry hole, depleted producer, service, water well, etc.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ gas ☐ other ☐ dry

2. NAME OF OPERATOR

Ambra Oil & Gas Company

3. ADDRESS OF OPERATOR

84101

47 W. 200 S., Suite 510 Salt Lake City, UT

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 660' FSL 1980' FWL, SE $\frac{1}{4}$ SW $\frac{1}{4}$

AT TOP PROD. INTERVAL:

AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

CHANGE ZONES ☐

ABANDON* ☐

(other) ☐

SUBSEQUENT REPORT OF:

☐

☐

☐

☐

☐

☐

☐

☒

5. LEASE

U-49684

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

NA

7. UNIT AGREEMENT NAME

NA

8. FARM OR LEASE NAME

Harley Dome

9. WELL NO.

19-1

10. FIELD OR WILDCAT NAME

Harley Dome

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 19, T18S R25E

12. COUNTY OR PARISH

Grand

13. STATE

Utah

14. API NO.

43-019-31069

15. ELEVATIONS (SHOW DF, KDB, AND WD)

4887' GR

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

This well was plugged on July 25, 1983 with the following plugs:

Plug #1 1100'-900' with 53 sx cement

Plug #2 200'-100' with 27 sx cement

A regulation plug and abandon marker was set with a 10-sack surface plug on January 31, 1984. The location was also reclaimed at that time.

When the well is ready for final inspection, another sundry notice will be submitted.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Jinda Conde TITLE Production Mgr. DATE April 23, 1984

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY: